

COMBINED DECLARATION AND
POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND APPARATUS FOR SCHEDULING PACKETIZED DATA FLOWS IN A CALENDAR BASED ARBITRATION SCHEME

the specification of which

X is attached hereto.
_____ was filed on _____ as
United States Application Number _____
or PCT International Application Number _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States non-provisional application(s) listed below:

(Application Number)

Filing Date

(Application Number)

Filing Date

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

(Provisional Application No.)

(Provisional Filing Date)

(Provisional Application No.)

(Provisional Filing Date)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United states of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(U.S. Parent Application or
PCT Parent No.)

Parent Filing Date

(Status -- patented,
pending, abandoned)

Parent Patent No.
(if applicable)

(U.S. Parent Application or
PCT Parent No.)

Parent Filing Date

(Status -- patented,
pending, abandoned)

Parent Patent No.
(if applicable)

As a named inventor, I hereby appoint the following registered practitioners, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Lawrence M. Cho	39,942
Kenneth J. Rudofski	35,997

Address all correspondence to and direct all telephone calls to

Lawrence M. Cho
Tellabs Operations, Inc.
1415 West Diehl Road, MS 16
Naperville, IL 60563 USA
630-798-3328
630-798-3231 (fax)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor: Terry J. Hrabik

Inventor's Signature Terry J. Hrabik Date Dec. 10, 2001

Residence: South Bend, Indiana 46615 Citizenship: United States
(City, State) (Country)

Post Office Address: 1510 Sunnymede Ave.
South Bend, IN 46615

Full Name of Second/Joint Inventor: Robert B. Magill

Inventor's Signature _____ Date _____

Residence: Mishawaka, Indiana 46545 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Third/Joint Inventor: Ravi Chandran

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46637 Citizenship: Singapore
(City, State) (Country)

Post Office Address: _____

Full Name of Fourth/Joint Inventor: Kent D. Benson

Inventor's Signature _____ Date _____

Residence: Granger, Indiana 46530 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor: Terry J. Hrabik

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46615 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Second/Joint Inventor: Robert B. Magill

Inventor's Signature R.B. Magill Date 12/10/01

Residence: Mishawaka, Indiana 46545 Citizenship: United States
(City, State) (Country)

Post Office Address: 54750 Bonnet Hill Trail
Mishawaka, IN 46545

Full Name of Third/Joint Inventor: Ravi Chandran

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46637 Citizenship: Singapore
(City, State) (Country)

Post Office Address: _____

Full Name of Fourth/Joint Inventor: Kent D. Benson

Inventor's Signature _____ Date _____

Residence: Granger, Indiana 46530 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

10023628 121701
FOOTNOT 8222001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor: Terry J. Hrabik

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46615 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Second/Joint Inventor: Robert B. Magill

Inventor's Signature _____ Date _____

Residence: Mishawaka, Indiana 46545 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Third/Joint Inventor: Ravi Chandran

Inventor's Signature Ravi Chandran Date 12/10/01

Residence: South Bend, Indiana 46637 Citizenship: Singapore
(City, State) (Country)

Post Office Address: 18082 Courtland Drive,
South Bend, IN 46637

Full Name of Fourth/Joint Inventor: Kent D. Benson

Inventor's Signature _____ Date _____

Residence: Granger, Indiana 46530 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First/Joint Inventor: Terry J. Hrabik

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46615 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Second/Joint Inventor: Robert B. Magill

Inventor's Signature _____ Date _____

Residence: Mishawaka, Indiana 46545 Citizenship: United States
(City, State) (Country)

Post Office Address: _____

Full Name of Third/Joint Inventor: Ravi Chandran

Inventor's Signature _____ Date _____

Residence: South Bend, Indiana 46637 Citizenship: Singapore
(City, State) (Country)

Post Office Address: _____

Full Name of Fourth/Joint Inventor: Kent D. Benson

Inventor's Signature Kent D. Benson Date 12-10-2001

Residence: Granger, Indiana 46530 Citizenship: United States
(City, State) (Country)

Post Office Address: 15040 Hunting Ridge Ct.
Granger, IN 46530

Title 37, Code of Federal Regulations, Section 1.56
Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
- (i) Opposing an argument of unpatentability relied on by the Office, or
- (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.